REMARKS

Applicant appreciates the time taken by the Examiner to review Applicant's present application. Applicant has amended Claim 49 and cancelled Claims 61-64. Thus, Claims 49-60 remain pending. This application has been carefully reviewed in light of the Official Action mailed March 30, 2007. Applicant respectfully requests reconsideration and favorable action in this case.

Rejections under 35 U.S.C. §101

Claims 62-64 are rejected under 35 U.S.C. §101 as being directed to non-statutory subject matter. Claims 61-64 have been cancelled. Accordingly, withdrawal of this rejection is respectfully requested.

Rejections under 35 U.S.C. § 103

Claims 49, 51-52, 56-59 and 61-64 stand rejected under 35 U.S.C. § 103 as being unptatentable over by U.S. Publication No. 2003/0105770 ("MacLeod1") in view of U.S. Publication No. 2003/0105654 ("MacLeod2"). Claims 53-55 and 60 stand rejected under 35 U.S.C. § 103 over MacLeod1 in view of MacLeod2 as applied to claims 49, 51,-52, 56-59 and 61-64 above, and further in view of U.S. Publication No. 2004/0187100 ("Thiruvillamalai"). Claims 61-64 have been cancelled. Thus, Applicant respectfully submits the rejection of Claims 61-64 is moot. With respect to Claims 49-60, however, Applicant respectfully traverses these rejections.

Claim 49, as amended, recites a method for integrating data into a content management system, comprising: analyzing a set of data; generating a set of content types to represent the set of data based on the analysis of the data, wherein one of the content types comprises a policy annotation, the policy annotation comprising management information including a workflow corresponding to the content type; saving the set of content types in a memory; generating a set of content type objects corresponding to the set of content types; generating a set of content instance objects from the content type objects; associating each of the set of data with at least one of the content instance objects, wherein at least one of the content instance objects is associated with two or more datum of the set of data, each of the datum

residing in a distinct data storage; and managing the set of data using the content instance objects, wherein the two or more datum are managed as a single entity using the at least one content instance object.

Thus, embodiments of the present invention provide a method for placing data under the auspices of a content management system and managing the data using the content management system without having to change either the structure or location of the data.

More specifically, data in a content repository may be analyzed such that content types representative of the various types of data present in content repository may be generated. The content types may, in turn, be used to generate structured representations of the content types known as content type objects. Data in the data repository may then be analyzed such that the pieces of data in the content repository are associated with a content type. More particularly, a content instance object may be associated with, or used in conjunction with a representation of, data in two distinct data repositories.

A content management system can then manage the data in the content repository through management and manipulation of the constant instance objects without having to change the structure or location of the data in the content repository. Specifically, in one particular embodiment, data in two distinct data repositories may be managed in tandem with one another through their association with the same content instance object.

Specifically, a policy annotation such as a workflow may be associated with each of the content types. Thus, data associated with a content instance object of that content type may managed according to the policy annotation, even if that data resides in two distinct data sources.

MacLeod1, in contrast, provides a directory schema with object classes that have flexible attributes, meaning that attributes of an object can be extended independent of modifications. To this end, MacLeod1 provides a flexible content class, wherein the flexible content class includes a flexible attribute (*See*, MacLeod1 FIG 4) Flexible content class includes the flexible attribute The flexible attribute content class can be assigned any number of values. (*See* MacLeod1 Paragraph [0054]) Thus the application of MacLeod1 can assign any type of information to attributes of objects instantiated from the same object class, and this ability is accomplished without needing to modify the directory schema to create new structural object classes or attributes. (*See* MacLeod1 Paragraph [0058], [0062]).

Thus, Applicant respectfully submits that MacLeod1 does not analyze a set of data in order to generate a set of content types to represent the set of data based on the analysis of

the data. Furthermore, MacLeod1 does not generate content instance objects from content type objects and associated data with content instance objects. Moreover, MacLeod1 does not associated data with content instance objects where this data may reside in a distinct data storage. Additionally MacLeod1 does not disclose utilizing the content instance object to manage data residing in two or more distinct data sources as a single entity using the at least one content instance object.

Applicant respectfully submits that MacLeod2 does not remedy the deficient teachings of MacLeod1 with respect to Claim 49 and that therefore the combination of MacLeod1 and MacLeod2 does not disclose at least the limitations of Claim 49 which recite: analyzing a set of data; generating a set of content types to represent the set of data based on the analysis of the data, wherein one of the content types; generating a set of content type objects corresponding to the set of content types; generating a set of content instance objects from the content type objects; associating each of the set of data with at least one of the content instance objects, wherein at least one of the content instance objects is associated with two or more datum of the set of data, each of the datum residing in a distinct data storage; and managing the set of data using the content instance objects, wherein the two or more datum are managed as a single entity using the at least one content instance object.

Accordingly, Applicant respectfully requests the withdrawal of the rejection of Claim 49 and its dependent Claims 50-60, for at least the same reasons as those presented with respect to Claim 49 above.

CONCLUSION

Applicant has now made an earnest attempt to place this case in condition for allowance. Other than as explicitly set forth above, this reply does not include an acquiescence to statements, assertions, assumptions, conclusions, or any combination thereof in the Office Action. For the foregoing reasons and for other reasons clearly apparent, Applicant respectfully requests full allowance of Claims 49-60. The Examiner is invited to telephone the undersigned at the number listed below for prompt action in the event any issues remain.

A Notification of Extension of Time is included with this reply, and the Director of the U.S. Patent and Trademark Office is hereby authorized to deduct the appropriate fee from Deposit Account No. 50-3183 of Sprinkle IP Law Group.

Respectfully submitted,

Sprinkle IP Law Group
Attorneys for Applicant

Ari G. Akmal
Reg. No. 51,388

Date: 7/30/07, 2007

1301 W. 25th Street, Suite 408
Austin, TX 78705
Tel. (512) 637-9220
Fax. (512) 371-9088